

## ABSTRACT

## [SUMMARY]

## [OBJECT]

An object of the present invention is to provide a technology to  
5 measure a flow rate more accurately by reducing an identification error when  
identifying the inner wall position from calculation result of flow velocity  
distribution in an ultrasonic flowmeter.

## [ORGANIZATION]

An ultrasonic flowmeter includes the fluid velocity distribution  
10 measuring means comprising: a graph output means for outputting a flow  
velocity distribution graph displaying the flow velocity in two axes of  
positions in the inner diameter direction of the fluid pipe relating to the  
measuring line and fluid velocities corresponding to the inner diameter  
direction; and an inner wall position calculating means for calculating the  
15 position of the inner wall with respect to the axis in the inner diameter  
direction; in which the flow rate operation means measures the flow rate of a  
fluid to be measured by integral operation based on the inner wall position  
calculated by the inner wall position calculating means.

## [SELECTED DRAWING] FIG. 3